



West Nile Virus Surveillance



West Nile Virus Surveillance Summary #4 Thursday, July 23, 2009

WNV Activity in BC (Data as of July 22, 2009)

No WNV activity has been identified in BC to date.

The BCCDC webpage on West Nile can be viewed directly at: <http://www.bccdc.ca/dis-cond/a-z/w/WestNileVirus/default.htm>

From June 1 st , 2009	Human cases*	Corvids submitted	Corvids sighted	Mosquito pools
# Tested	65	46	185	765
# Positive	0	0		0

*includes routine screening of CSF, organ and stem cell donations in addition to physician test requests

Maps and graphs of BC surveillance data can be found at: <http://www.bccdc.ca/dis-cond/a-z/w/WestNileVirus/Surveillance/WNV2009SurveillanceData.htm>

3-month Environment Canada climate predictions for BC

The 3 month (July-September) temperature forecast calls for above normal temperatures for all of BC. http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1t_s

The 3 month precipitation forecast calls for below normal precipitation for all of BC. http://www.weatheroffice.gc.ca/saisons/image_e.html?img=sfe1p_s

Accumulated base 16 °C growing degree days comparison for select BC communities

July 21 st	2009	2008	2007	2006	2005	2004	2003	30YR
Cranbrook	189	197	249	233	146	173	217	123
Creston	265	271	348	305	214	255	293	166
Osoyoos	416	386	409	403	388	470	431	291
Kamloops	358	332	356	377	312	409	348	250
Abbotsford	203	156	174	189	169	227	184	98
Vancouver	141	108	122	130	105	174	140	70
Victoria	141	104	118	134	122	160	139	66
Prince George	106	98	129	155	114	141	102	63

Most communities are continuing to experience increased or similar accumulated degree days compared to last year and all higher than the 30 year average. Abbotsford, Vancouver and Victoria continue to have the most notable increase compared to 2008.

WNV Activity in Canada

(Data as of July 22, 2009)

No WNV activity has been reported by provinces and territories at this time. This represents a later start to WNV activity in Canada compared to previous seasons which may be due to the cool and wet weather experienced through much of the country.

WNV Activity in the US

- Washington:
 - There have been 63 positive pools reported in Washington State. 45 have been reported in Yakima county and 18 in Benton County. Both affected counties are in the southern part of the state.
 - A red-tailed hawk from Benton County has tested positive for West Nile virus. This is the first confirmed bird case of West Nile virus in Washington this year.

- This activity is an increase from previous seasons, however activity has remained isolated to Yakima and Benton county.
- Oregon:
 - As of July 22, there has been one positive bird and one positive mosquito pool reported in Oregon.
- California:
 - 32 counties throughout the State are reporting WNV activity. The number of Counties reporting activity is similar to 2008. There has been a decreased number of birds and positive mosquito samples.
 - There have been no human cases reported; at this point in 2008 California had reported 3 human cases.
 - Positive indicators: 218 dead birds, 168 mosquito pools, 10 sentinel chicken flocks and 1 squirrel.

Other US states reporting WNV activity:

Data as of Jul 22; Sources: USGS survey

25 states have reported WNV activity. 14 human cases of WNV have been reported in the US in 2009. Arizona (2), Arkansas, Idaho, Minnesota, Mississippi (2), Nevada (2), South Dakota (2), Tennessee and Texas (2). The closest activity to Canada is in Washington, Idaho (west) and Minnesota and New York (central and east).

